

Title (en)

WINDROWER VARIABLE RATE HEADER FLOATATION SYSTEM

Title (de)

ERNTEVORSATZFLOTATIONSSYSTEM MIT VARIABLER SCHWADERRATE

Title (fr)

SYSTÈME DE FLOTTAISON D'EN-TÊTE À DÉBIT VARIABLE POUR ANDAINEUR

Publication

EP 4165978 A1 20230419 (EN)

Application

EP 21203054 A 20211018

Priority

EP 21203054 A 20211018

Abstract (en)

An agricultural machine includes a float cylinder interconnecting a header linkage system and a frame of the machine. A first rod side accumulator and a second rod side accumulator are both in fluid communication with a rod side fluid port of the float cylinder. A first accumulator control valve is positioned to control the first rod side accumulator, and is selectively controllable between an open position allowing fluid communication between the first rod side accumulator and the rod side fluid port of the float cylinder, and closed position blocking fluid communication between the first rod side accumulator and the rod side fluid port of the float cylinder. The system provides a slower first float response with the first accumulator control valve open, and a faster second float response with the first accumulator control valve closed.

IPC 8 full level

A01D 41/14 (2006.01)

CPC (source: EP)

A01D 41/141 (2013.01)

Citation (search report)

- [A] US 9043955 B2 20150602 - NAFZIGER BRENDON [US], et al
- [A] US 5964077 A 19991012 - GUINN RONALD K [US]
- [A] US 2019029182 A1 20190131 - GLADE MARK M [US], et al
- [A] US 7971420 B1 20110705 - BOLLIN DOUGLAS JOHN [US]
- [A] US 7555883 B2 20090707 - FACKLER ROBERT L [US], et al
- [A] DE 102020204909 A1 20201029 - DEERE & CO [US]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

EP 4165978 A1 20230419

DOCDB simple family (application)

EP 21203054 A 20211018